

Government of Uttarakhand
Department of Energy
No. : 1129 I/2005-04(3)/65/03
Dehradun : Dated : 5, March, 2005

Office Memorandum

By replacing the earlier O.M. No. 293/I/2004-04(3)/65/03 dated 05.08.2004, the State Government has decided to create a virtual Centre of Excellence in the form of a Federation of existing institutions in Uttarakhand State for leveraging the Water/Hydropower Resources in Uttarakhand.

2. The Centre shall be an apex body with the following mandate :

The initial mandate for the Federation would be :

- (1) Address basic manpower issues relevant in a hydro potential rich State such as :
 - ⇒ How to produce engineers, designers, environmentalists, social scientists of quality related to hydro power
 - ⇒ How to create and strengthen expertise in EIA
- (2) Establish a constant process of dialogue among power entities, projects, organizations, academic institutions like Universities, Engineering Colleges, Polytechnics, ITIs etc. and provide for improved functioning.
- (3) Concentrate on design area so that the State develops inherent strength which will also mean internalizing talent/strength.
- (4) Facilitate revision of syllabus in the State's Technical Institutions, keeping in view the requirements of accrediting organizations.
- (5) Facilitate training for State Government's Engineers so that there is an immediate upgradation of their capabilities.
- (6) Organize training programmes for students and staff of technical institutions.
- (7) Set up networking facilities among all institutions.
- (8) Any other related aspect.

3. The Federation will have two levels of management arrangement based on their present activity, involvement and roles of the existing institutions active in the area namely, Core Group and Associated Group, as per details below :

Core Group :-

- (1) IIT, Roorkee (AHEC, WRDTC, CIVIL, HYDROLOGY, ES, EQ)
- (2) Irrigation Department of the State (IRI, Workshop, I&P and IDO)
- (3) National Institute of Hydrology, Roorkee (NIH)
- (4) Wadia Institute of Himalayan Geology, Dehradun (WIHG)
- (5) University of Petroleum & Energy Studies, Dehradun (UPES)
- (6) State Engineers Academy, Kalagarh (SEA)
- (7) Academy of Administration, Nainital (AAN)

- (8) Representative of the Department of State of Uttarakhand
- (9) Director of Technical Education, State of Uttarakhand

Associated Group :-

- (1) Geological Survey of India, Regional Centre, Dehradun
- (2) BHEL, Haridwar
- (3) Indian Institute of Remote Sensing, Dehradun
- (4) Central Soil & Water Conservation, Research & Training Institute, Dehradun.
- (5) GB Pant Institute of Environment Science, Almora
- (6) GB Pant University of Agriculture & Technology, Pantnagar
- (7) GB Pant Engineering College, Pauri & Kumaon Engineering College, Dwarahat, Almora and Private Engineering Institutions
- (8) ICFRE, Dehradun.
- (9) BEG Centre of Indian Army.
- (10) Polytechnics in the State of Uttarakhand

The groups may be expanded and organizations may be changed over among these group as per need and activities being taken up by them.

4. The user organizations of the hydropower and resources are identified as below :

State :-

- (1) Uttarakhand Jal Vidyut Nigam Ltd.
- (2) Uttarakhand Power Corporation Ltd.
- (3) Uttarakhand Irrigation Department.
- (4) Private Developers (Large & Small)
- (5) Uttarakhand Renewable Energy Development Agency (URED).
- (6) Uttarakhand Pijal Nigam/Uttarakhand Jal Sansthan.
- (7) Forest Department.
- (8) Watershed Department.

Central Government & Other Organizations :-

- (1) Central Government PSUs e.g. NTPC, NHPC & THDC
- (2) Other State Power Generation & Distribution Corporations
- (3) Private Sector Developers from outside State.
- (4) Equipment manufactures.
- (5) Large construction Contractors and Suppliers

5. The areas of requirement as identified so far are :

Core Requirements in respect of Human Resource Development :-

- (1) Education, Training and Research

- (2) Quality testing, monitoring (including environment during execution and post commissioning), performance testing and analysis
- (3) Investigations, planning, specifications, modern and effective designs and constructions details
- (4) Data base for designs, standards, codes, practices and O&M manuals

Associated Requirements :-

- (1) Documentation, library and dissemination
 - (2) Coordination among users and providers
 - (3) Industry-federation-institution interaction
-
6. The Director of IIT, Roorkee will chair the Federation and the Core Group, Head, AHEC will be the Ex-Officio member Secretary of the federation.
 7. The Federation shall have a secretariat located in Roorkee with the core group institutions as governing body members.
 8. The structure of Federation may be modified with the approval of the Core Group.
 9. One year time frame from the date of this Office Memorandum is being fixed for all the initial action to be completed. A quarterly review of the progress made in this new endeavour will be held by Additional Chief Secretary & Infrastructure Development Commissioner, Government of Uttaranchal with the help of IIT, Roorkee.
 10. A corpus may be created for the purpose with funding from the user organizations and other associates. Initially a sum of Rs. One crore will be provided by Government of Uttaranchal as grant to meet initial expenditure and contribution towards its corpus funds. It is expected that a sufficient corpus will be built up during the 1st year from the contribution of the user organizations and associates and from the accrued interest operating expenditure from the subsequent years will be met. Any specific project / activity undertaken will be funded by user agency (ies).
 11. Ideally in this one-year period the Federation would have established a data-base, identified the needs, prepared a way ahead for strengthening design capabilities, networked institutions, revised syllabus, identified experts and structured a future set up which will be in the form of a Centre of Excellence with various capabilities befitting an energy state.
 12. Energy Department in Government of Uttaranchal will be the Nodal Department for the purpose.

N. Ravi Shanker
(N. Ravi Shanker)
Secretary

No. : 1129 I/2005-04(3)/65/031 of date

C.C. : Forwarded to the following for information and necessary action :-

1. Chief Secretary, Government of Uttaranchal.
2. Additional Chief Secretary, Government of Uttaranchal.
3. The Director, IIT, Roorkee.
4. Principal Secretary (Energy), Government of Uttaranchal.
5. Chief Engineer & Head of the Department, Irrigation Department, Dehradun.
6. CMD, Uttaranchal Power Corporation Ltd., Dehradun.
7. CMD, Uttaranchal Jal Vidyut Nigam Ltd., Dehradun.
8. MD, Power Transmission Corporation of Uttaranchal Ltd., Dehradun.
9. The Director, National Institute of Hydrology, Roorkee.
10. The Director, Wadia Institute of Himalayan Geology, Dehradun.
11. Vice Chancellor, University of Petroleum & Energy Studies, Dehradun.
12. The Director, State Engineers Academy, Kalagarh.
13. The Director, Academy of Administration, Nainital.
14. The Director, Geological Survey of India, Regional Centre, Dehradun.
15. The Director, BHEL, Hardwar.
16. The Director, Indian Institute of Remote Sensing, Kalidas Road, Dehradun.
17. The Director, Technical Education, Vasant Vihar, Dehradun.
18. The Director, Central Soil & Water Conservation, Research & Training Institute, Dehradun.
19. The Director, Uttaranchal Renewable Energy Development Agency (UREDA), Dehradun.
20. The Principal, Engineering College, Dwarahat.
21. The Principal, Engineering College, Pauri.
22. NIC, Secretariat, Dehradun.

By Order,

(Dr. M.C. Joshi)

Additional Secretary